

## Figure 1.

Paptide sequences used for immunisation experiments.

/EHNSYGLRPGQHWSYGLRPGC(palm)-NH2 (thioester) (SEQ. I.D. NO. 1) GnRH peptides:

(SEQ I.D. NO. 1) /EHWSYGLRPGQHWSYGLRPGK(palm)-NH2 (amide) A: B:

/E= pyroglutamic acid

CPV peptides:

(SEQ. I.O. NO. 2) ac-CybsdgavQpdggqpavrneratg-nH2 C:

(disulfide)

palm-CysSDGAVQPDGGQPAVRNERATG-NH2

palm-CysSDGAVQPDGGQPAVRNERATG-NH2 (amide) (SEQ. I.D. NO. 2) D:

ac-Cys (palm) SDGAVQPDGGQPAVRNERATG-NH2 (thioestor) (SEQ I.O. NO. 2) E:

ac-Cys (MBS-KLH) SDGAVQPDGGQPAVRNERATG-NH2 F:

(conjugated) (SEQ.I.O. NO.2)

ac-Cys(CH2- C0-NH2)SDGAVQPDGGQPAVRNERATG-NH G:

(blocked) (SER. T. O. NO. 2)

FIV peptides:

ac-Cys (palm) RAISSWKORNRWEWRPD-NH, (thioester) (SEQ.T. D. NO. 3) H:

ac-Cys(CT) RAISSWKQRNRWEWRPD-NH, (conjugated) (SEQ. I.D. NO. 3) I:

## SEQUENCE LISTING

<110> BEEKMAN, Nico Johannes Christiaan Maria SCHAAPER, Wilhemus Martinus Maria DALSGAARD, Kristian MELOEN, Robert Hans



<120> VACCINE COMPRISING ANTIGENS BOUND TO CARRIERS THROUGH LABILE BONDS

<130> 2183-3898US

<140> PCT/NL97/00354

<141> 1997-06-24

<160>6

<170> PatentIn Ver. 2.1

<210>1

<211>20

<212> PRT

<213> Unknown Organism

<220>

<223> Initial Xaa is pyroglutamic acid. \Terminal Xaa can be Cys with a thioester bond to palmitic acid, or lysine bound to palmitic acid as an amide.

<220>

<223> Description of Unknown Organism: Organism unknown, construct based on GnRH.

<400>1

Xaa His Trp Ser Tyr Gly Leu Arg Pro Gly Gln His Trp Ser Gly Leu 10 5

1

15

Arg Pro Gly Xaa 20

<210>2

<211>22

<212> PRT

<213> Canine Parvovirus

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223> Xaa is Cys which may be acetylated, palmitoylated,
   conjugated to another peptide chain via a
   disulfide bond, is absent, or any combination
   thereof.
<220>
<223> Xaa is Cys which may be acetylated, palmitoylated,
   conjugated to another peptide chain via a
   disulfide bridge, is absent, or any combination
   thereof.
<400>2
Xaa Ser Asp Gly Ala Xal Gln Pro Asp Gly Gly Gln Pro Ala Val Arg
                                    15
           5
Asn Glu Arg Ala Thr Gly
        20
<210>3
<211>18
<212> PRT
<213> Feline Immunodeficency Virus
<220>
<223> Xaa is Cys that is (alone or in combination)
    acetylated, bound to palmitic acid via a thioester
    bond, conjugated or can be absent.
 <400> 3
 Xaa Arg Ala Ile Ser Ser Trp Lys Gln Arg Asn Arg Trp Glu Trp Arg
                        10
            5
  1
 Pro Asp
 <210>4
 <211> 13
 <212> PRT
 <213> Unknown Organism
 <220>
 <223> Description of Unknown Organism: Model Peptide
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<23> Initial Cys is bound to palmitic acid via a
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Cys Ser Glu Ile Phe Arg Pro Gly Gly Gly Asp Met Arg
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<223> Description of Unknown Organism: Model Peptide
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    thioester bond.
<400> 5
Cys Val Ala Thr Gln Leu Pro Ala Ser Phe
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           5
<210>6
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<213> canine parvovirus
 <400>6
 Cys Ser Asp Gly Ala Val Gln Pro Asp Gly Gln Pro Ala Val Arg
                                   15
           5
                       10
  1
 Asn Glu Arg Thr Ala Gly
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